# GAIA Challenge manual

v.2.0 english

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1. Accessing the GAIA Challenge

The GAIA Challenge is available online via the following URL: http://gaia-challenge.com/

2. Changing the language

On the landing page, click on the button on the top left showing the currently selected language [1]. A dropdown list with all available languages will pop up and the desired language can be selected [2].
Changing the language


3. Creating a new student user account

In order to be able to participate in the GAIA Challenge as a student, a user account is required. On the landing page you can create a new user account by clicking on “Sign Up” in the top right or by clicking on “Join Now” [1]. An overlay with a registration form will appear [2]. Fill out the form and click on “Register” to complete the registration. The email address is optional and is used only when the user forgets the password to send a new one.

The registration form is also available via [http://gaia-challenge.com/user/register](http://gaia-challenge.com/user/register)
Creating a new student user account

The Green Awareness in Action (GAIA) project focuses on the educational community, faculty, staff, students and parents at various levels of education, from primary and secondary to high schools and universities. Raising awareness among young people and changing their behavior and habits concerning energy usage is key to achieving sustained energy reductions.

The GAIA Challenge provides a platform for students and teachers to engage in a playful way with educational content in the context of their school teaching.

[1]

[2]

Register

Username

Email

This field is optional. Your email is used only when you forget your password to send you a new one.

Password

Confirm password

Confirm security code

REGISTER
4. Creating a new teacher user account

If you are a teacher and want to create and manage Mission Teams for your students a special user account is required. The registration form [1] for the teacher user role is available via http://gaia-challenge.com/user/register/teacher

5. How to log in to the GAIA Challenge

On the landing page both students and teachers can log in to the GAIA Challenge by clicking on “Login” in the top right [1]. An overlay with a login form will appear [2]. Fill out the form and click on “Log in”. If you want to be automatically logged in the next time you visit the GAIA Challenge, tick the checkbox “Remember me”.

The login form is also available via: http://gaia-challenge.com/login
## How to log in to the GAIA Challenge

**[1]**

![GAIA Challenge website](image)

The Green Awareness in Action (GAIA) project focuses on the educational community, faculty, staff, students and parents at various levels of education, from primary and secondary to high schools and universities, raising awareness among young people and changing their behavior and habits concerning energy usage & key to achieving sustained energy reductions.

The GAIA Challenge provides a platform for students and teachers to engage in a playful way with educational content in the context of their school building.

**[2]**

![Login form](image)

6. **Reset password**

If you forgot your user account password you can request a new password which will be sent to your email address. In the login form click on the small link “Forgot password?” [1]. You
will be redirected to a new form [2]. Fill out the form and click on “send” to reset your password.

The password-reset form is also available via:
http://gaia-challenge.com/user/forgotten-password

In case you have not provided an email address during the registration process you can send an email to af+gaiaasupport@ovos.at and ask for your password to be manually reset.
Reset password

[1] Login

Username or email

Password

Forgot password?

Remember me

LOG IN

Forgot password

[2] Enter your username or email address below. An email containing instructions on how to continue will be sent.

Username or email:* 

Confirm security code:* 

SEND

* Required fields.
7. Navigation

When logged in in the top bar there is the main navigation menu [1] with two options:
- **My Quest**: This section features the Quest Map overview where the user can play quests and score points. It is described in 8. *My Quest.*
- **My Community**: This section features the community widgets and is described in 9. *My Community.*

In the top right corner there is another menu [2] with several options.

Join Mission Team

If your teacher already has created a Mission Team, you can join the team by clicking here and entering the invitation code provided by your teacher [3].

My profile

Here the user can edit the user profile, change the email address and the password. This section is described in 11. *My Profile.*

Help

This option will open a help overlay [4] with useful information on how to use the GAIA Challenge.

About

More information about the GAIA Challenge and the GAIA project.

Logout

Log the current user out from the GAIA Challenge and redirects to the landing page.

If you are logged in as a teacher, the menu [5] will have additional options. The teacher menu is described in 10. *Mission Team Management.*
Join a Mission Team!

Please enter the group code you received from your teacher.

Group code

Confirm

Help

Welcome to the GAIA Challenge!

In the top bar you can find the main navigation:

In My Quest you find the map overview where you can play quests. By playing quests you score points for your Mission Team. Play all the quests to help your Team earn Achievements and reach the top of the leader board!

In My Community you can explore your Mission Team’s score and compare your results with others. You will also find the submitted Snapshots and Portfolios of all Mission Teams there.
8. My Quest

In My Quest you find the map overview where you can play quests. By playing quests you score points for your Mission Team.

At the top of the “My Quest” view there is the user scoreboard [1]. It shows your user avatar, your scored points, your progress in all Knowledge Missions and your progress in all Action Missions.

Below the scoreboard is the Quest Map [2]. The map itself is a visual representation of your progress in the challenge. It is divided into five chapters. In the beginning the Quest Map is completely covered by clouds but the more you quests you play the more of the map will be revealed.

Below the map there is the activity log [3]. It shows the user’s recent activities and achievements in the GAIA Challenge.
Playing a quest

By clicking on a quest container [1] in the map, the respective quest will be started.

Each quest consists of multiple short tasks. A task [2] can appear in various forms:

- single choice
- multiple choice
- single choice with images
- multiple choice with images
- image drag and drop
- image picker
- image search
- cloze
- calculation with slider

All task layouts are very similar. There is always a title teasing the content of the task. Then there is short description/introductory text followed by a question. Below the question there are the actual quests elements to interact with e.g. answers to pick from or a visual scenery in which the user has to search for something specific. Once the user has picked an answer he/she can click on “Check” in the bottom right [3]. A text explaining the solution will show up below the task after the user submitted an answer. The dots in the bottom left [3] indicate how many tasks there are left in the current quest.

Once the user has completed all tasks in a quest the result view is shown [4] and the user can go back to the Quest Map by clicking on “Continue” or play the same quest again by clicking on “Try Again”.

<table>
<thead>
<tr>
<th>Playing a quest</th>
</tr>
</thead>
<tbody>
<tr>
<td>[1]</td>
</tr>
</tbody>
</table>

![Quest Map Image](image-url)
Room layout

The building's orientation can be used for passive heating and cooling. It also affects when the room is illuminated by the natural light of the sun. However, because of the changing rotation and movement of the earth relative to the sun, the incidence of sunlight changes with the seasons.

Which orientation is best for a classroom in winter?

- to the north
- to the east
- ☑️ to the south
- to the west

Windows on the south side guarantee you a lot of sunshine in winter. Therefore, south-oriented rooms benefit from a better warming during the winter months.
There are two types of missions:

Knowledge Missions

Knowledge Missions are available for all users at all times. Points scored in missions’ quests are added to your Mission Team’s score. When you have completed all quests of a Knowledge Mission you can submit a Snapshot for this mission.

Action Missions

Action Missions are hidden by default on the Quest Map. These missions are activated by a teacher for a Mission Team, at the time chosen by the teacher. When an Action Mission has been activated by a teacher new quests will show up on the map for the next 14 days and only for users of that Mission Team. During that period users of this team can play the mission. After the 14 day period the mission closes automatically and cannot be opened again for this team. While the Action Mission you should work together with your Mission Team on a collaborative Portfolio. Eventually your teacher can submit the portfolio for the Mission Team.
Submitting Snapshots & Portfolios

Snapshots
You can submit a Snapshot for each Knowledge Mission after all quests of the mission have been completed. You can open the submission editor by clicking on the respective Snapshot container in the map [1].

The submission editor [2] allows you to add text blocks, images and videos (from YouTube and Vimeo) to your submission. You can move blocks around by dragging them on their striped handles on the left hand side. When you are done editing your submission click on “save & go back” to submit your submission. The Snapshot will now appear in the public gallery (see 9. My Community).

Portfolios
Submitting Portfolios works the same way as submitting Snapshots except that only teachers can submit Portfolios for their Mission Teams. The submission editor looks and works the same way though. For more details on how to unlock a Portfolio submission for an Action Mission for a Mission Team please read 10. Mission Team Management: Submitting a Portfolio
9. My Community

The My Community section shows a Mission Team leader board [1]. You can click on the entries to reveal more information about each Mission Team. In the purple area the Achievements of the Mission Team are shown [2]. Below that, in the yellow area the Mission Team’s users are listed with their personal score. At the bottom there is a gallery [3] of all submissions (Snapshots and Portfolios) of the Mission Team. By clicking on a Snapshot or
Portfolio in the gallery you can read the complete submission with all it’s texts, images and videos [4].

My Community

[1] Mission team ranking
select an entry

1. Model Experimental Junior High School  Patras  254045
2.  NO CLASS -  153035
3. 1st Junior High School of N. Philadelphi  144151

4. Primary School of Lygia (Leukadia)  5400
5. Gramsci-Keynes, Prato  5000
6. 1st Laboratory Centre of Patras  45000
7. 46th Primary School of Patras  34254
8. Primary School of Megisti (Kastelorizo)  2975
9. Test Mission Team  Hogwarts, Vienna  500
10. 1st Technical High School of Patras  300

Patras, Italy

Achievements

Highscore

1. morganitis  5250
2. fotis_tr_34  5250
3. tefioanos  5250
...
33. andrewtzolas  4225
34. zoe  4175
35. proectkotas22  4092
36. mariada_  4075
37. panso456  4025
38. bithkotis  3950
39. nick the greek  3800
Lights in the ovos office
by a f
Jun 28, 2017

Test Portfolio
by Hans
Jun 28, 2017

My Snapshot
by Dummy User
Jun 28, 2017

Lorem Ipsum dolor
by Julia Schwan
Jun 28, 2017

My epic story
by a f
Jun 28, 2017

Dum di du
by a f
Jun 28, 2017

Lights in the ovos office
Pleasant lighting in the ovos office
These are the lights in the ovos office. They have a warm color and ensure a pleasant lighting. Luckily, it is usually very bright in our office because we have many windows. So we do not have to turn on the light so often.
10. Mission Team Management

The teacher menu [1] holds several additional options in order to manage Mission Teams.

Group Management
Click here to toggle the teacher menu.

Team List
Every Mission Team you have created will appear here. Click on a team name to open its overview [2]. The Mission Team Overview shows a list of all users in the team and their individual quest progress. At the top of the overview the teacher can start Action Missions for this Mission Team.

Starting Action Missions
An Action Mission can only be started once for every group. When an Action Mission has been activated new quests will show up on the map for the next 14 days and only for users of that Mission Team. During that period users of this team can play the mission. After the 14 day period the mission closes automatically and cannot be opened again for this team [3].

Submitting a Portfolio
The teacher of a Mission Team can write and submit a portfolio for each active Action Mission [4]. The submission of Portfolios is described in 8. My Quest: Submitting Snapshots & Portfolios.

Create Group
Click here to create a new Mission Team [5]. After a new Mission Team has been created the teacher receives an invitation code for students to join the team [6].

Settings
Click here to open the Mission Team settings dialogue [7]. In this dialogue the teacher can edit the name of each of his/her Mission Teams, allow/disallow joining the Mission Teams and delete the Mission Teams. As a security measure, every change made in this dialogue requires the teacher to enter his personal password.
Are you sure you want to start this Action Mission?

An Action Mission can only be started once for every group. The mission will be available for the next 14 days. During that period users of this group can play this mission. After the 14 day period the mission closes automatically and cannot be opened again for this group.

Yes, start the Mission now  NO, CANCEL

Test Mission Team

Hogwarts, Vienna
1 member

Action Mission 1: Let’s act for energy efficiency!

Mission is active

Action Mission 2: Do-it-Yourself energy efficiency

Start This Mission

Write Portfolio

Create Group

Group name

Group name

School name

School name

City

City

Country

Select a country

Create Group Now
Group Created

Your group has been created successfully.
Your students can join the group now with the following code:

Group Code

dvuus4

Group Settings

5th Primary School of N. Smlini

Group code: sqxt00
- Registration closed
- Delete group

Ellinogermaniki Agogi

Group code: 7gs8dh
- Registration closed
- Delete group

Watch out! If you delete a group, all data is lost!

In case of changes, please enter your password:
Password
11. My Profile

In the “My Profile” view you can upload an avatar [1]. Providing an avatar, however, is optional. Please be aware that the avatar will be publicly visible on all of your submitted snapshots. If you are a teacher your avatar will be also shown on your submitted portfolios. You can delete your account by clicking on “Remove Account”. As a security measure you have to enter your personal password before deleting your account. Clicking on the tabs “Change password” and “Change email address” will open a respective form [2], [3].
My Profile

[1] My profile

Edit data  Change password  Change email address

Username: testuser  Profile picture:  UPLOAD PICTURE

Note: Your avatar will be publicly visible on all of your submitted snapshots.

Delete account

Do you want to remove your account?

SAVE

[2]

Edit data  Change password  Change email address

Old password:*  New password:*  Confirm new password:*  SAVE

* Required fields.
Your current email address:

Current password*: 

New email*: 

* Required fields.
Annex 1: Technical Information

Operating System
On desktop computers the following operating systems are supported:

- Microsoft Windows 7 or newer
- Apple OS X Yosemite or newer
- Ubuntu Linux 16 or newer

Other desktop operating systems and older versions of the above mentioned systems are not supported but may work as well.

On mobile devices the GAIA challenge supports:

- Google Android "KitKat" 4.4 or newer
- Apple iOS 9

Older versions or derivatives of the above mentioned systems (such as watchOS and Android Wear) are not supported.

Browser
For the best user experience we recommend the usage of modern web browsers such as

- Microsoft Internet Explorer 10-11
- Microsoft Edge 13-15
- Mozilla Firefox 51-53
- Google Chrome 57-59 (including Chrome for Android)
- Apple Safari 9-10.1 (including Safari for iOS)

Other browsers such as Opera, Vivaldi or the Android Browser (modern Android smartphones are getting already shipped with Google Chrome instead of the old stock Android Browser) are not explicitly supported but it is most likely that the majority of the game's features work just fine.

JavaScript
The execution of JavaScript is required and must be enabled in the browser.

Hardware
The GAIA Challenge requires a minimum display resolution of 1024 x 786 pixels and a minimum display size of 7,9 inch. Mobile devices with a smaller screen will work most of the time but due to how the game is set up and presented they cannot deliver the same user experience as devices with large screens such as tablets.